REPORT FOR 1893.

To the Shardlow Rural Sanitary Authority.

GENTLEMEN,

I beg to present my Report relating to the health of the District during the year 1893.

At the census of April, 1891, the population was found to be 39,243, which was estimated by excess of births over deaths to the middle of 1892 to be 39,665.

To the middle of 1893 the estimated population amounts to 40,428.

During the year, 1,324 births were registered, viz.: 672 males and 652 females. This is 99 more than the previous year. The deaths were 664, viz,: 343 males and 321 females, being 8 more than the previous year.

The natural increase of the population by the excess of births over deaths was 660, being 91 more than the previous year.

The birth-rate for the year was 32·74 per thousand of the population.

The death-rate for the year was 16·42 per thousand of the population.

The infantile death rate (*i.e.*, infants under 5 years) was 5·46 per thousand of the population.

The following Table tells the ages at which the Deaths occurred throughout the District, viz.:—

Deaths under 1 year of age							146	220 under 5 years.
,,	over	1	,,	and under 5 years			74	
,,	,,	5	,,	,,	15	,,	41	444 over 5 years.
,,	,,	15	,,	,,	25	,,	42	
,,	,,	25	,,	,,	65	,,	164	
,,	,,	65	,,	...	...	...	197	
					Total	...	664	

Of these 664 Deaths, 57 were caused by the Zymotic Diseases, viz. :—

Scarlatina	4
Diphtheria	5
Croup	2
Typhoid Fever	3
Continued Fever	1
Puerperal Fever	1
Measles	11
Whooping Cough	15
Diarrhœa	15
Total ...	57

These Zymotic Deaths were distributed as follows, viz. :—

Barrow and Sinfin...	1	Death, viz. :—	Diptheria	1
Bramcote	3	,,	Whooping Cough 2	3
,, ...		,,	Diarrhœa 1	
Castle Donington ...	1	,,	Diarrhœa	1
Chaddesden ...	2	,,	Whooping Cough	2
Chellaston	1	,,	Diarrhœa	1
Chilwell	1	,,	Whooping Cough	1
Dale Abbey... ...	2	,,	Croup 1	2
,, ...		,,	Scarlatina 1	
Diseworth	1	,,	Diarrhœa	1
Draycott	1	,,	Diarrhœa	1
Elvaston	1	,,	Diarrhœa	1
Hemington	1	,,	Whooping Cough	1
Kingston	1	,,	Diarrhœa	1
Kegworth	1	,,	Diarrhœa	1
Little Eaton ...	1	,,	Croup	1
Lockington	1	,,	Continued Fever	1
Melbourne	10	,,	Diptheria 1	10
,, ...		,,	Typhoid Fever 1	
,, ...		,,	Measles 2	
,, ...		,,	Whooping Cough 5	
,, ...		,,	Diarrhœa 1	
Normanton... ...	1	,,	Measles	1
Ockbrook	1	,,	Diptheria	1
Osmaston	6	,,	Measles	6
Sandiacre	7	,,	Scarlatina 3	7
,, ...		,,	Diphtheria 2	
,, ...		,,	Diarrhœa 2	
Spondon	1	,,	Measles	1
Stanley	1	,,	Diarrhœa	1
Stanton-by-Dale ...	1	,,	Enteric Fever	1

Stapleford	8	,,	Enteric Fever	1	8
,, ...		,,	Measles	1	
,, ...		,,	Whooping Cough	3	
,, ...		,,	Diarrhœa	3	
Swarkestone ...	1	,,	Whooping Cough		1
Weston-on-Trent ...	1	,,	Puerperal Fever		1
					57

Of these Zymotic deaths, 41 occured in children under 5 years of age and 16 over that age.

Whooping Cough, Measles, and Diarrhæa being accountable for 41, of which 37 were under 5 years of age. These deaths were pretty equally distributed over the Sanitary District, but the greater number occurred, as the above table shews, in the larger centres of population, such as Melbourne, Stapleford, Sandiacre, and Osmaston, The usual means of arresting these, were adopted as in former years. During the year I received 132 notifications of infectious disease as against 175 in the previous year, which reduction ought to be considered very gratifying. Your Authority are still without the much needed isolation hospital, for the removal of first cases of infectious disease, although I must make a very important exception, viz., your arrangement with the Derby Sanitary Authority respecting small-pox patients. But here, we are only on sufferance, for should the Derby Hospital at any time be full and an Epidemic of small-pox arise (which is not improbable, considering the unsatisfactory state of the vaccination question) we should ourselves be without the means of isolating cases as we have hitherto been able to do.

The Zymotic death rate was 1.40 per 1000.

The remaining 607 deaths are classified under the following diseases. viz. :—

Phthisis	52 3
Respiratory Diseases	103
Heart Diseases	53
Accidents an Injuries	27
All other diseases	371
	607

Thirty-four inquests were held during the year. Of the 664 deaths, 9 only were uncertified.

The 1891 Census Population and estimated population to the Middle of 1893, and the Births and Deaths for the Villages during the year, were as follows, viz. :—

ASTON.

Census population, 548. Estimated to middle of 1893, 552.
Births, 14: viz., 10 males, and 4 females.
Deaths, 8: viz., 3 males and 5 females.
They may be classified as follows, viz.:—

1 died under	...		1	year of age.
1 ,,	between	1 and	5	,,
1 ,,	,,	15 ,,	25	,,
3 ,,	,,	25 ,,	65	,,
2 ,,	over	...	65	,,

The diseases from which they died were—Phthisis, 1. Respiratory diseases, 2. Injuries, 1. Not named, 4.

BARROW, SINFIN, and ARLESTON.

Census population, 403. Estimated to middle of 1893, 420.
Births, 16: viz., 9 males and 7 females.
Deaths, 6: viz, 2 males and 4 females.

2 died under	...		1	year of age.
1 ,,	between	1 and	5	,,
2 ,,	,,	25 ,,	65	,,
1 ,,	over	...	65	,,

The diseases were—Diptheria, 1. Phthisis, 1. Respiratory disease, 1. Heart disease, 2. Not named, 1.

BRAMCOTE.

Census population, 762. Estimated to middle of 1893, 777.
Births, 16: viz., 6 males and 10 females.
Deaths, 12: viz., 3 males and 9 females.

2 died under	...		1	year of age.
4 ,,	between	1 and	5	,,
1 ,,	,,	15 ,,	25	,,
2 ,,	,,	25 ,,	65	,,
3 ,,	over	...	65	,,

The diseases were—Whooping Cough, 2. Diarrhœa, 1. Phthisis, 1. Respiratory, 2. Heart disease, 2. Not named, 4.

BREADSALL.

Census population, 571. Estimated to middle of 1893, 581.
Births, 9: viz., 4 males and 5 females.
Deaths, 9: viz., 5 males and 4 females.

1 died under	...		1	year of age.
4 ,,	between	25 and	65	,,
4 ,,	over	...	65	,,

The diseases were—Respiratory, 3. Heart disease, 2. Injuries, 2. Not named, 2.

BREASTON.

Census population, 882. Estimated to middle of 1893, 901.

Births, 28 : viz., 14 males and 14 females.

Deaths, 9 : viz., 6 males and 3 females.

4	died under	...		1	year of age.
1	,,	between 1	and	5	,,
1	,,	,, 15	,,	25	,,
1	,,	,, 25	,,	65	,,
2	,,	over ...		65	,,

The diseases were—Phthisis, 2. Respiratory, 1. Heart disease, 1. Not named, 5.

BREEDON.

Census population, 649. Estimated to middle of 1893, 681.

Births, 25 : viz., 18 males and 7 females.

Deaths, 8 : viz., 4 males and 4 females.

1	died under	...		1	year of age.
1	,,	between 15	and	25	,,
2	,,	,, 25	,,	65	,,
4	,,	over ...		65	,,

The diseases were—Phthisis, 2. Respiratory, 2. Not named, 4.

CASTLE DONINGTON.

Census population, 2596. Estimated to middle of 1893, 2,635.

Births, 82 : viz., 35 males and 47 females.

Deaths, 49 : viz., 27 males and 22 females.

9	died under	...		1	year of age.
3	,,	between 1	and	5	,,
3	,,	,, 5	,,	15	,,
4	,,	,, 15	,,	25	,,
9	,,	,, 25	,,	65	,,
21	,,	over ...		65	,,

The diseases were—Diarrhœa, 1. Phthisis, 4. Respiratory, 5. Heart disease, 6. Not named, 33.

CHADDESDEN.

Census population, 682. Estimated to middle of 1893, 719.

Births, 27, viz., 15 males and 12 females.

Deaths, 13, viz., 8 males and 5 females.

2	died under	...		1	year of age.
3	,,	between 1	and	5	,,
1	,,	,, 5	,,	15	,,
3	,,	,, 15	,,	25	,,
1	,,	,, 25	,,	65	,,
3	,,	over ...		65	,,

The diseases were—Measles, 2. Phthisis, 1 Respiratory 2. Injuries, 3. Not named, 5.

CHELLASTON.

Census population, 497. Estimated to middle of 1893, 511.
Births, 12, viz., 8 males and 4 females.
Deaths, 8, viz , 4 males and 4 females.

1	died under	...		1	year of age.
1	,,	between 1	and	5	,,
4	,,	,, 25	,,	65	,,
2	,,	over ...		65	,,

The diseases were—Diarrœa, 1. Phthisis, 1. Respiratory, 2. Heart Disease, 1. Not named, 3.

CHILWELL AND ATTENBRO'.

Census population, 1013. Estimated to middle of 1893, 1027.
Births, 24, viz., 12 males and 12 females.
Deaths, 25, viz., 17 males and 8 females.

3	died under	...		1	year of age.
1	,,	between 5	and	15	,,
1	,,	,, 15	,,	25	,,
11	,,	,, 25	,,	65	,,
9	,,	over ...		65	,,

The diseases were—Whooping Cough, 1. Phthisis, 4. Respiratory, 4. Heart Disease. 2. Injuries, 1. Not named, 13.

DALE ABBEY.

Census Population, 399. Estimated to middle of 1893, 409.
Births, 17, viz., 10 males and 7 females.
Deaths, 12, viz., 4 males and 8 females.

3	died under	...		1	year of age.
2	,,	between 1	and	5	,,
1	,,	,, 15	,,	25	
3	,,	,, 25	,,	65	,,
3	,,	over ...		65	,,

The diseases were—Scarlatina, 1. Croup, 1. Phthisis, 1. Respiratory, 3. Heart Disease, 1. Not named, 5.

DISEWORTH.

Census population, 369. Estimated to middle of 1893, 387.
Births, 16, viz., 10 males and 6 females.
Deaths, 4, viz., 1 male and 3 females.

1	died between 5 and 15 years of age.				
1	,,	,, 25	,,	65	,,
2	,,	over ...		65	,,

The diseases were Diarrhœa, 1. Heart disease, 1. Injuries, 1. Not named, 1.

DRAYCOTT AND HOPWELL.

Census population, 1080. Estimated to middle of 1893, 1,100.
Births, 33, viz., 12 males and 21 females.
Deaths, 19, viz., 8 males and 11 females.

7 died under ... 1 year of age.
1 ,, between 1 and 5 ,,
7 ,, ,, 25 ,, 65 ,,
4 ,, over ... 65 ,,

The diseases were —Diarrhœa, 1. Respiratory, 1. Heart disease, 2. Injuries, 1. Not named, 14.

ELVASTON.

Census population, 519. Estimated to middle of 1893, 525.
Births, 11, viz., 5 males and 6 females.
Deaths, 9, viz., 6 males and 3 females.

2 died between 1 and 5 years of age.
2 ,, ,, 15 ,, 25 ,,
1 ,, ,, 25 ,, 65 ,,
4 ,, over ... 65 ,,

The diseases were—Diarrhœa, 1. Phthisis, 2. Respiratory, 2. Heart disease, 1. Not named, 3.

ISLEY WALTON AND LANGLEY PRIORY.

Census population, 53. Estimated to middle of 1893, 56.
Births, 2 males.
Death, 1 male, age 43 years, from a disease not classified.

HEMINGTON.

Census population, 358. Estimated to middle of 1893, 363.
Births, 11, viz., 5 males and 6 females.
Deaths, 8, viz., 4 males and 4 females.

4 died under ... 1 year of age.
2 ,, between 25 and 65 ,,
2 ,, over ... 65 ,,

The diseases were—Whooping Cough, 1. Respiratory, 1. Heart disease, 1. Not named, 5.

KINGSTON-ON-SOAR.

Census population, 281. Estimated to middle of 1893, 291.
Births, 6, viz., 5 males and 1 female.
Deaths, 3, viz., 1 male and 2 females.

1 died under 1 year of age.
2 ,, over 65 ,,

The diseases were—Diarrhœa, 1. Not named, 2.

KIRK HALLAM AND WEST HALLAM.

Census population, 654. Estimated to middle of 1893, 671.

Births, 17, viz., 8 males and 9 females.

Deaths, 7, viz , 3 males and 4 females.

1	died under		...	1	year of age.
1	died between	1	and	5	,,
1	,, ,,	25	,,	65	
3	,, over		...	65	

The diseases were—Respiratory, 1. Injuries, 1. Not named, 5.

KEGWORTH.

Census population, 2149. Estimated to middle of 1893, 2,205.

Births, 72, viz., 33 males and 39 females.

Deaths, 33, viz., 14 males and 19 females.

9	died under		...	1	year of age.
2	,, between	1	and	5	,,
1	,, ,,	15	,,	25	,,
12	,, ,,	25	,,	65	,,
9	,, over		...	65	,,

The diseases were—Diarrhœa, 1. Phthisis, 1. Respiratory, 5. Heart disease, 3. Not named, 23.

LITTLE EATON.

Census population, 983. Estimated to middle of 1893, 1,004.

Births, 33, viz., 17 males and 16 females.

Deaths, 21, viz., 11 males and 10 females.

6	died under		...	1	year of age.
2	,, between	1	and	5	,,
2	,, ,,	5	,,	15	,,
2	,, ,,	15	,,	25	,,
4	,, ,,	25	,,	65	,,
5	,, over		...	65	,,

The diseases were—Croup, 1. Phthisis, 2. Respiratory, 3. Heart disease, 3. Injuries, 1. Not named, 11.

LITTLEOVER.

Census population, 819. Estimated to middle of 1893, 864.

Births, 34, viz., 18 males and 16 females.

Deaths, 11, viz., 5 males and 6 females.

4	died under		...	1	year of age
1	,, between	1	and	5	,,
3	,, ,,	25	,,	65	,,
3	,, over		...	65	,,

The diseases were—Respiratory, 2. Not named, 9.

LOCKINGTON.

Census population, 219. Estimated to middle of 1893, 222.
Births, 3 viz., 2 males and 1 female.
Deaths, 3, viz., 1 male and 2 females.

1	died between	5	and	15	years of age.
1	,, ,,	25	,,	65	,,
1	,, over	...		65	,,

The diseases were—Continued fever, 1. Phthisis, 1. Not named, 1.

MELBOURNE AND DERBY HILLS.

Census population, 3,412. Estimated to middle of 1893, 3,526.
Births, 124, viz., 58 males and 66 females.
Deaths, 59, viz , 33 males and 36 females.

14	died under	...		1	year of age.
8	,, between	1	and	5	,,
6	,, ,,	5	,,	15	,,
1	,, ,,	15	,,	25	,,
12	,, ,,	25	,,	65	,,
18	,, over	...		65	,,

The diseases were—Diphtheria, 1. Enteric Fever, 1. Measles, 2. Whooping Cough, 5. Diarrhœa, 1. Phthisis, 6. Respiratory, 8. Heart Disease, 3. Injuries, 1. Not named, 31.

NORMANTON.

Census population, 938. Estimated to middle of 1893, 996.
Births, 38, viz., 21 males and 17 females.
Deaths, 13, viz., 8 males and 5 females.

3	died under	...		1	year of age.
3	,, between	1	and	5	,,
2	,, ,,	15	,,	25	,,
3	,, ,,	25	,,	65	,,
2	,, over	...		65	,,

The diseases were—Measles, 1. Respiratory, 2. Heart Disease, 1. Injuries, 1. Not named, 8.

OCKBROOK.

Census population, 2,166. Estimated to middle of 1893, 2,228.
Births, 58, viz , 26 males and 32 females.
Deaths, 34, viz., 20 males and 14 females.

6	died under	...		1	year of age.
4	,, between	1	and	5	,,
4	,, ,,	5	,,	15	,,
12	,, ,,	25	,,	65	,,
8	,, over	...		65	,,

The diseases were—Diphtheria, 1. Phthisis, 2. Respiratory, 4. Heart Disease, 2. Not named, 25.

OSMASTON.

Census population, 2,067. Estimated to middle of 1893, 2151.
Births, 85, viz., 40 males and 45 females.
Deaths, 38, viz., 18 males and 20 females.

11	died under		...		1	year of age.
7	,,	between	1	and	5	,,
4	,,	,,	5	,,	15	,,
2	,,	,,	15	,,	25	,,
9	,,	,,	25	,,	65	,,
5	,,	over	...		65	,,

The diseases were—Measles, 6. Phthisis, 1. Respiratory, 8. Heart Disease, 1. Injuries, 2. Not named, 20.

RATCLIFF-ON-SOAR.

Census population, 135. Estimated to middle of 1893, 132.
Births, 5, viz., 2 males and 3 females.
Deaths, 5, viz., 3 males and 2 females.

1	died under		...		1	year of age.
1	,,	between	1	and	5	,,
3	,,	over	...		65	,,

The diseases were—Injuries, 1. Not named, 4.

RISLEY.

Census population, 248. Estimated to middle of 1893, 248.
Births, 5, viz., 2 males and 3 females.
Deaths, 8, viz., 5 males and 3 females.

2	died between		25	and	65	years of age.
6	,,	over	...		65	,,

The diseases were—Respiratory, 3. Not named, 5.

SANDIACRE.

Census population, 2,256. Estimated to middle of 1893, 2,334.
Births, 99, viz., 51 males and 48 females.
Deaths, 48, viz., 23 males and 25 females.

13	died under		...		1	year of age.
6	,,	between	1	and	5	,,
7	,,	,,	5	,,	15	,,
4	,,	,,	15	,,	25	,,
10	,,	,,	25	,,	65	,,
8	,,	over	...		65	,,

The diseases were—Scarlatina, 3. Diphtheria, 2. Diarrhœa, 2. Phthisis, 4. Respiratory, 7. Heart Disease, 1. Injuries, 4. Not named, 25.

SAWLEY.

Census population, 1,415. Estimated to middle of 1893, 1,459.

Births, 50, viz., 28 males and 22 females.

Deaths, 24, viz.. 17 males and 7 females.

4	died under		...		1	year of age.
1	,,	between	1	and	5	,,
2	,,	,,	5	,,	15	,,
3	,,	,,	15	,,	25	,,
8	,,	,,	25	,,	65	,,
6	,,	over	...		65	,,

The diseases were—Phthisis, 5. Respiratory, 3. Heart Disease, 2. Injuries, 1. Not named, 13.

SHARDLOW.

Census population, 699. Estimated to middle of 1893, ~~772.~~ 722

Births, 26, viz , 17 males and 9 females.

Deaths, 11, viz., 2 males and 9 females.

2	died under		...		1	year of age.
1	,,	between	5	and	15	,,
2	,,	,,	25	,,	65	,,
6	,,	over	...		65	,,

The diseases were—Phthisis, 2. Respiratory, 2. Heart Disease, 2. Not named, 5.

SPONDON.

Census population, 2,208. Estimated to middle of 1893, 2,273.

Births, 72, viz., 41 males and 31 females.

Deaths, 27, viz., 14 males and 13 females.

4	died under		...		1	year of age.
4	,,	between	1	and	5	,,
1	,,	,,	15	,,	25	,,
6	,,	,,	25	,,	65	,,
11	,,	over	...		65	,,

The diseases were—Measles, 1. Phthisis, 2. Respiratory, 4. Heart Disease, 2. Not named, 18.

STANLEY.

Census population, 1001. Estimatd to middle of 1893, 1,073.

Births, 55 : viz., 28 males and 27 females.

Deaths, 10 : viz., 6 males and 4 females.

2	died under		...		1	year of age.
2	,,	between	1	and	5	,,
1	,,	,,	15	,,	25	,,
2	,,	,,	25	,,	65	,,
3	,,	over	...		65	,,

The diseases were—Diarrhæa, 1. Phthisis, 1. Respiratory, 3. Heart Disease, 2. Not named, 3.

STANTON-BY-DALE.

Census population, 649. Estimated to middle of 1893, 662.
Births, 14: viz., 5 males and 9 females.
Deaths, 12: viz., 6 males and 6 females.

2	died under	...		1	year of age.
2	,,	between	5 and	15	,,
2	,,	,,	25 ,,	65	,,
6	,,	over	... ,,	65	,,

The diseases were—Enteric Fever, 1. Heart Disease, 1. Injuries, 1. Not named, 7.

STANTON-BY-BRIDGE and SWARKESTONE.

Census population, 346. Estimated to middle of 1893, 348.
Births, 5: viz., 2 males and 3 females.
Deaths, 5: viz., 3 males and 2 females.

1	died between		1 and	5	years of age.
1	,,	,,	25 ,,	65	,,
3	,,	over	...	65	,,

The diseases were—Whooping Cough, 1. Not named, 4.

STAPLEFORD.

Census population, 4255. Estimated to middle of 1893, 4,433.
Births, 158: viz., 77 males and 81 females.
Deaths, 60: viz., 32 males and 28 females.

20	died under		...	1	year of age.
10	,,	between	1 and	5	,,
2	,,	,,	5 ,,	15	,,
3	,,	,,	15 ,,	25	,,
13	,,	,,	25 ,,	65	,,
12	,,	over	...	65	,,

The diseases were Enteric Fever, 1. Measles, 1. Whooping Cough, 3. Diarrhœa, 3. Phthisis, 5. Respiratory, 9. Heart Disease, 4. Injuries, 2. Not named, 32.

TOTON.

Census population, 215, Estimated to middle of 1893, 146.
Births, 3: viz., 2 males and 1 female.
Deaths, 2 males.

1	died between		5 and	15	years of age.
1	,,	,,	25 ,,	65	,,

Both from Heart disease.

WESTON-ON-TRENT.

Census population, 322. Estimated to middle of 1893, 324.
Births, 10: viz., 7 males and 3 females.
Deaths, 8: viz., 4 males and 4 females.

1 died under		...		1	year of age.
1 ,,	between	1	and	5	,,
1 ,,	,,	5	,,	15	,,
1 ,,	,,	15	,,	25	,,
1 ,,	,,	25	,,	65	,,
3 ,,	over	...		65	,,

The diseases were—Puerperul Fever, 1. Phthisis, 1. Respiratory, 1. Heart disease, 1. Injuries, 2. Not named, 2.

SHARDLOW WORKHOUSE.

Census population, 143. Estimated to middle of 1893, 121.
Birth, 1 female.
Deaths, 14: viz., 13 males and 1 female.

1 died between		1	and	5	years of age
5 ,,	,,	25	,,	65	,,
8 ,,	over	...		65	,,

The diseases were—Heart disease, 1. Not named, 13.

NORMANTON BARRACKS.

Census population, 248. Estimated to middle of 1893, 251.
Births, 8: viz., 7 males and 1 female.
Deaths, 8: viz., 6 males and 2 females.

2 died under		...		1	year of age.
1 ,,	between	1	and	5	,,
5 ,,	,,	15	,,	25	,,

The diseases were—Respiratory, 5. Injuries, 1. Not named, 2.

The Zymotic history of my District may be related as follows:—

Small-pox.—In the early part of the year, two tramps were admitted into the tramp ward of the Workhouse in a very infectious stage of the disease. They were isolated as far as the means of the place would allow and an able bodied man told off to attend to them. These tramps had come from the north of Derbyshire, where Small-pox was epidemic to a considerable extent. They had wandered from there, through villages and through the town of Derby until they got to Shardlow Workhouse, where they were admitted, as I have said, in a very infectious state. They were sent off, as soon as possible, to the isolation hospital at Derby, where one died. Soon after these men were sent to the hospital, the man who had attended to

them showed symptoms of the disease and he was also promptly removed to the hospital. The Wards, &c., were thoroughly disinfected and the clothing, bedding, and bedsteads burned, and there was no further spread of the disease. During the year, three other cases came under my notice, and they were promptly dealt with in the same manner. These were, a case at Melbourne, and a case at Normanton Barracks. Both these men came from the north of the county, as did the tramps above mentioned. The last case occurred at Ockbrook. This was a young man whose business obliged him to travel a good deal, and the last place he visited before coming home was Leicester, where the disease was prevalent. The prompt measures adopted in all these cases, I have no doubt, saved the localities in which they occurred from an epidemic of the disease.

Measles.—Eleven deaths occurred from this disease, six of them at Osmaston, which is practically a suburb of Derby. I cannot say how many *cases* there were in the District as Measles is not included in those requiring notification.

Scarlatina.—Four deaths from this disease, three at Sandiacre, and one at Dale Abbey. Fifty-four *cases* altogether were notified, but as they were distributed in twelve villages, situated in all parts of the District, it will be seen that there was nothing like an epidemic of the disease.

Diphtheria.—Five deaths, viz., two at Sandiacre, one at Ockbrook, one at Melbourne, and one at Sinfin. Twenty-eight *cases* in all were notified.

Croup.—This disease has occurred in a sporadic form at Dale Abbey and Little Eaton, causing a death in each place.

Typhoid Fever.—Three deaths, one at Melbourne, one at Stapleford, and one at Dale Abbey, out of twenty-one notifications scattered over the Distrtct.

Puerperal Fever.—One death.

Whooping Cough.—Fifteen deaths, viz , two at Chaddesden, two at Braincote, one at Little Eaton, five at Melbourne, one at Swarkestone, three at Stapleford, and one at Chilwell. This disease is not notifiable, so that I cannot say how many *cases* occurred.

Diarrhœa.—Fifteen deaths, thirteen being infants under 5 years of age.

Rheumatic Fever.—No cases.

Erysipelas.—Seventeen cases notified, but no death.

All these Zymotic cases have come in with my routine work. I have personally visited (as reported to you at your regular meetings) all these cases, with the exception of some of those of Diarrhœa, Whooping Cough, Measles, and Erysipelas, and my

endeavours to prevent the spread of these Zymotic diseases, have been carried out on the lines indicated in my former reports, such as instructions, both verbal and printed, respecting school attendance, disinfection and isolation, as far as it can be carried out in the absence of a proper isolation hospital.

Wherever, in visiting cases of infectious disease, I find any insanitary conditions, such as foul or untrapped drains, or direct communication between houses and drains, or overflowing ash-pits and filthy privies or badly paved yards, or nuisances of any kind in dangerous proximity to the houses or water supply, I instruct the Inspector to issue notices for their abatement, these are afterwards seen to have been carried out.

The year has not been a very eventful one. There have been no large schemes of sewage disposal, or water supply inaugurated. There are only three places in which a system of scavenging is in operation, viz., Stapleford, Sandiacre, and Osmaston, and I should like to see it extended to every parish in the Sanitary District.

During the year I have examined several samples of water, many of which I found unfit for drinking purposes

I have not had many cases of overcrowding in dwelling-houses to deal with, but during the Summer, in consequence of a letter from the Home Office, signed by an Inspector of Factories, to the effect that overcrowding existed in 13 workshops in Castle Donington, I made an inspection of them. These workshops are all used for basket making. I did not find any flagrant case of overcrowding, although in some of them more persons were engaged than should be in a sanitary point of view. In these, the proprietors readily agreed to my suggestions. I found that in nearly all of them, ventilation was very defective, but this was explained to me by the fact, that the osiers could not be worked into baskets except in a soft state, and that a current of air would tend to make them unworkable. I thought, however, that ventilation might be procured without creating a draught. I suggested that printed forms should be hung up in the workshops, showing the number of persons to be employed in each. The shops generally were not very clean and I suggested a more frequent use of lime washing.

I am happy to say that I have had occasion in only two instances, viz., at Chaddesden and at Kegworth, to recommend school closure. Both were in consequence of Whooping Cough.

With regard to river pollution, I indicated in my former report, that your attention would be called to it by the County Council, and as the matter is still "subjudice" I refrain to make any remarks now on the subject.

No cases of unsound meat, or unsound food of any description have been brought to my notice during the year, nor have I had to investigate any nuisance caused by noxious trades.

Influenza has again been largely prevalent, but of a milder character generally than previously.

This concludes my report for 1893. It is naturally of a very prosaic character, as I have not, I am afraid, been able to bring forward much that is new. My work is necessarily for the greater part, one of routine, and we may congratulate ourselves that we have had no large epidemic of Zymotic disease to contend with.

Again I have to thank you for your kind consideration during the year.

I remain, Gentlemen,

Your obedient servant,

CHARLES HARWOOD, M.D., &c.

Medical Officer of Health.

The usual tables are appended.

Shardlow Rural Sanitary Authority.

TABLE 1.

Area in Acres	64,596
Census Population of 1891...	39,243
Estimated Population to middle of 1893 ...	40,428

Number of Deaths for the Year, 1893—Males, 343 ; Females, 321
Total, 664.

Death Rate for the Year, 1893 ...	16·42	per 1,000
Infantile Death Rate ,, ,, ...	5·46	,,
Zymotic Death Rate ,, ,, ...	1·40	,,

Diseases.	Under 5 years of age.	Above 5 Years of age.
Scarlatina	2	2
Diphtheria	1	4
Croup	1	1
Typhoid Fever	0	3
Continued Fever	0	1
Puerperal Fever	0	1
Measles	9	2
Whooping Cough	15	0
Diarrhœa...	13	2
Phthisis	4	49
Respiratory Diseases ...	41	62
Heart Diseases	3	50
Accidents and Injuries ...	5	22
All other diseases	126	245
	220	444
		Total ... 664

TABLE 2.

BIRTHS IN THE DISTRICT DURING THE YEAR, 1893.

Males	672
Females	652
Total	1,324

Birth Rate for the Year, 32·74 per 1,000.

THE SURVEYOR AND SANITARY INSPECTOR'S REPORT.

During the past year a large number of notices have been issued to abate nuisances, and have on the whole received prompt attention. A scavenger has been appointed at Sandiacre, making three Parishes in the Union, which have these most needful and important helps to deal with closet refuse.

A great many notices for supply of wholesome water have been served, especially at Melbourne and Castle Donington, where the new waterworks must prove very beneficial.

The Sewerage Works at Kegworth have been completed, and numerous new drains constructed at many houses which had previously none whatever, and others had very imperfect ones. Arrangements are being made for a water supply from the Long Eaton Waterworks for this parish. At Stapleford and Sandiacre, steps are being taken to deal with the purification of the Sewage.

The number of sewers ventilated by means of ventilating pipes, have been considerably added to during the year, and in all cases the results are very satisfactory.

New sewers have been laid in the following Parishes, viz., Bramcote, 35 yards, 6 inch pipes; Chilwell, about 60 yards, 6 inch pipes; Sandiacre, upwards of 100 yards, brick sewer 2ft. 6in. by 2ft. 9in.; Spondon, about 50 yards, 9 inch pipes, and Stanton-by-Dale, 9 inch iron pipes.

The Culverts, Drains, and Sewage Tanks have been cleaned out in all Parishes where necessary.

The erection of houses and new buildings has been as follows:

Parish.	New houses.	Addition or alterations.	Out buildings.
Breaston	5	3	...
Chilwell	7	...	2
Castle Donington	...	2	2
Kegworth	...	4	1
Littleover	2	1	...
Little Eaton	2	...	...
Melbourne	1	3	6
Normanton	18	...	...
Ockbrook including Borrowash	12	1	...
Osmaston	2	...	...
Sandiacre	...	...	2
Sawley	6	1	...
Spondon	34	...	...
Stapleford	25	4	...
Stanley	6	1	...
Weston-on-Trent	1	1	...

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